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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/612,288	07/03/2003	Fabrice Diehl	PET-2092	5777
23599	7590	08/30/2006	EXAMINER	
MILLEN, WHITE, ZELANO & BRANIGAN, P.C. 2200 CLARENDON BLVD. SUITE 1400 ARLINGTON, VA 22201			GROUP, KARL E	
			ART UNIT	PAPER NUMBER
			1755	

DATE MAILED: 08/30/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/612,288	<b>Applicant(s)</b> DIEHL ET AL.	
	<b>Examiner</b> Karl E. Group	<b>Art Unit</b> 1755	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 06 July 2006.  
 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.  
 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 3-10,12-14,16,17,20 and 21 is/are pending in the application.  
 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.  
 5) ☒ Claim(s) 18,22 and 23 is/are allowed.  
 6) ☒ Claim(s) 3,4,6-10,12-14,16,17,20 and 21 is/are rejected.  
 7) ☐ Claim(s) 5 is/are objected to.  
 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.  
 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).  
 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
 a) ☐ All b) ☐ Some \* c) ☐ None of:  
 1. ☐ Certified copies of the priority documents have been received.  
 2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |  |
|---|--|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)  | 4) <input checked="" type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. <u>8-7-06</u> . |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                    | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)                                  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____. | 6) <input type="checkbox"/> Other: _____.  |

***Election/Restrictions***

1. Newly submitted claim 24 is directed to an invention that is independent or distinct from the invention originally claimed for the following reasons: Claim 24 is considered properly restricted as a separate invention as the claim does not require sulferization. See MPEP 802.01 and 806.06.

Since applicant has received an action on the merits for the originally presented invention, this invention has been constructively elected by original presentation for prosecution on the merits. Accordingly, claim 24 is withdrawn from consideration as being directed to a non-elected invention. See 37 CFR 1.142(b) and MPEP § 821.03.

***Claim Rejections - 35 USC § 103***

2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

3. Claims 3,4,6-10,12,13,14,16,17,20,21,22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ryan et al (EP 0164162) further in view of Rony et al (US 3,855,307), for reasons of record.

Applicants' argument that Ryan et al fails to teach the presence of the amine in the sulferization feedstock and is deposited during the sulferization stage is not persuasive in overcoming the rejection because the rejected claims are not drawn to the process but to the product. Furthermore it is not clear if claims 12-14,16,17 require the limitation where the organic compound is present in the sulferization feedstock and is deposited during the sulferization stage.

It is further argued there would not be sufficient motivation for one of ordinary skill in the art to select a few species from Rony. This is not persuasive because a reference may be used for all it realistically teaches and the amines of the instant claims are clearly disclosed. The declaration filed 7-6-06 has not been considered in determining the patentability of the product claims because it has not been signed. Applicants' representative John Sopp was contacted to supply a signed copy however the declaration filed 8-8-06 has the incorrect date and has not been considered. It should be noted that claim 21 merely requires the organic compound is incorporated during sulferization which is not considered to be commensurate in scope with the declaration since the limitation does not require the organic compound is present in the sulferization feedstock and is deposited during the sulferization stage. Furthermore, the term "incorporation" does not set forth what the organic compound is incorporated in.

***Claim Rejections - 35 USC § 112***

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claims 12-14,16,17,21 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claims 12-14,16 and 17 appear to be outside the scope of claim 21 because the process steps do not require the organic compound is present in the sulferization feedstock and is deposited during the sulferization stage. If claim 21 requires such a step the process of manufacturing must also include these process steps.

Claim 16 is dependent upon a canceled claim.

Claim 21 sets forth the organic compound is incorporated however fails to set forth what the organic compound is incorporated in therefor the metes and bounds of the claim cannot be determined.

*Allowable Subject Matter*

6. Claims 18, 22, 23 are allowed. Claim 18 is considered allowable over the prior art of record because the prior art fails to teach or fairly suggest the organic compound is present in the sulferization feedstock and is deposited during the sulferization stage. Claims 22 and 23, the prior art fails to teach or suggest claimed catalyst including amino alkoxy silane in sulferized form.

7. Claim 5 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

8. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the

Art Unit: 1755

advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karl E. Group whose telephone number is 571-272-1368. The examiner can normally be reached on M-F (6:30-4:00) First Friday Off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jerry Lorenzo can be reached on 571-272-1233. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Karl E Group  
Primary Examiner  
Art Unit 1755

Keg  
8-15-06

  
J. A. LORENZO  
SUPERVISORY PATENT EXAMINER